

BAUHN®

58 cm (23") Full High Definition LED LCD TV with inbuilt DVD Player



Instruction Manual

MD 21067

After Sales Support
TEL: 1300 884 987

 N26968



58 cm (23") Full High Definition LED LED LCD TV with Inbuilt DVD Player and HD Tuner

What Your 2 Year Warranty Means

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first two years after the date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support services, details of which can be found in this manual and on the product itself.

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Contents

Safety Instructions	5
Operational Safety.....	5
Setup Location.....	5
Repairs	6
Operational Environment	7
Power Supply	7
The DVD Player	8
Notes on Conformity	8
Battery Handling	9
What is in the Box?	10
Unpacking	10
Installation.....	10
Check Package Contents.....	10
Device Overview	11
LED LCD TV	11
Front and Right-Hand Side View	11
Rear View / Connectivity.....	12
Remote Control	13
Getting Started	16
Inserting the Batteries into the Remote Control	16
Connect TV Antenna.....	16
DVB-T Mode (Digital TV)	16
Connecting the DVB-T Antenna	16
Connecting Power Supply.....	16
Switching the TV On and Off	16
First Time Usage	17
Channel Selection.....	18
Volume Setting.....	18
Picture Setting	18
Displaying Information.....	19
Favourites List	19
Input Source Selection.....	19

DVD Mode.....	20
Changing from TV Mode to DVD Mode.....	20
Inserting a DVD	20
Operation through the LED Button Panel.....	21
Operation through the Remote Control.....	21
DVD Menu System	23
SYSTEM SETUP Menu	23
LANGUAGE SETUP Menu	24
AUDIO SETUP Menu	24
DIGITAL SETUP Menu.....	24
Media Mode.....	25
Media Mode and USB Connectivity.....	25
PVR Function & Recording	26
Switching between TV Mode and Media Mode.....	28
Media Menu System.....	28
Basic OSD Menu Settings	29
Navigating within the Menu	29
Menu System	30
CHANNEL Menu	30
PICTURE Menu	32
SOUND Menu.....	33
TIME Menu	34
LOCK Menu	35
SETUP Menu	36
EPG - PROGRAMME GUIDE	37
Connecting External Devices.....	39
Connecting Headphones	39
Connecting an External DVD Player	39
1. Stereo Cinch Cable and a Video Cinch Cable.....	39
2. Component Video Cable (3 x Cinch).....	39
3. HDMI Cable	40
Connecting a Video Recorder (VCR).....	40
Connecting a DVD Recorder	40
Connecting a Set Top Box (SAT, DVB-T, Decoder, Etc.)	41
1. Stereo Cinch Cable and a Video Cinch Cable.....	41
2. Component Video Cable (3 x Cinch).....	41
3. HDMI Cable	41

Connecting a Camcorder	41
With a Stereo Cinch Cable and a Video Cinch Cable	41
Device with HDMI or DVI Output	42
Connecting an External Device with HDMI Output	42
Connecting an External Device with DVI Output	42
Connecting a PC or Notebook	42
Troubleshooting	43
Do You Need More Help?	44
LED LCD TV Pixel Faults	45
Cleaning	46
Disposal	47
Packaging	47
Device	47
Batteries	47
Technical Specifications	48

Safety Instructions

Operational Safety

- Children should be supervised to ensure they do not play with this unit. This unit is not intended for use by people (including children) with reduced physical, sensory or mental abilities or for those without experience and/or knowledge, unless they are supervised by a person responsible for their safety or they have been instructed on its use.
- Keep packaging material such as plastic film away from children. There is a risk of suffocation if used improperly.
- Never open the housing of the LED LCD TV (electrical shock, short circuit and fire hazard!).
- Never insert any objects through the slots and openings of the LED LCD TV (electrical shock, short circuit and fire hazard!).
- The slots and openings on the LED LCD TV are for ventilation purposes. Do not cover these openings (overheating, fire risk!).
- Do not put any pressure on the display. There is a risk that the screen may break.
- The remote control has a class 1M infrared diode.
- The DVD player is a first class laser product. The unit has a safety system that prevents dangerous laser rays from escaping from the unit during normal use. In order to avoid eye injuries, never manipulate or damage the security system of the device.
- Caution! There is a risk of injury if the screen is damaged! Recover all broken pieces using protective gloves and send them to your Service Centre for proper waste disposal. Then wash your hands with soap because chemicals may have leaked out.
- To avoid damaging the screen, do not touch it with fingers or sharp objects.
- Contact **customer services** on 1 300 884 987 if:
 - the power cable is burnt or damaged
 - liquid has penetrated the device
 - the device is not operating correctly

Setup Location

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using only the base stand that is included with your LED LCD TV.
- Only using furniture that can safely support your LED LCD TV.
- Ensuring your LED LCD TV is not overhanging the edge of the supporting furniture.
- Not placing your LED LCD TV on tall furniture (for example, cupboard or bookcases) without anchoring both the furniture and your television to a suitable support.

- Not standing your LED LCD TV on cloth or other materials placed between your television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.
- In the first hours of operation, new devices may emit a typical, unavoidable but completely harmless smell, which will decline increasingly in the course of time. We recommend that you ventilate the room regularly, in order to counteract the formation of the smell.
- Keep your LED LCD TV and all connected devices away from moisture and avoid dust, heat and direct sunlight.
- Do not use the device outdoors because other effects such as rain, snow etc. can also damage the device.
- The device must not be exposed to water droplets or spray. Do not place objects that are filled with water (such as vases) on the device. The container may tip over and the liquid will impair the electrical safety.
- Do not place any exposed sources of ignition (candles or similar) on or near the device.
- Do not operate the device near water and do not set it up near a wash-hand basin or bath, etc.
- Make sure that there is enough clearance in the wall units! Ensure a minimum separation of 10 cm around the device for sufficient ventilation.
- Avoid dazzle, reflections and strong bright-dark contrast in order to protect your eyes.
- The optimal viewing distance is 5 times the screen diagonal.

Repairs

- Repairs to your LED LCD TV should only be carried out by qualified specialists.
- Please contact our Help Desk on 1 300 884 987 if you have any problems with your LED LCD TV. **ALWAYS** have repairs completed only by our authorised service centre.
- Make sure to use only replacement parts provided by the manufacturer. The device may sustain damage if unsuitable replacement parts are used.

Operational Environment

- The device can be operated at an ambient temperature of +5° C to +35° C and a relative humidity of 20% - 85% (non-condensing).
- In the switched-off state the LED LCD TV can be stored from -20° C to +60° C.
- Keep the device at a distance of at least one metre from high frequencies and magnetic sources of interference (television, loudspeaker boxes, mobile telephones etc.) to avoid malfunctioning.
- After transporting the LED LCD TV wait until the device has reached ambient temperature before switching it on.
- Large changes in temperature or fluctuations in humidity can cause moisture to build up due to condensation within the LED LCD TV, which can cause an electrical short circuit.
- During thunderstorms or if the device is not going to be used for long periods, remove the plug from the mains socket and the aerial cable from the aerial socket.

Power Supply



Please note: Even when the mains switch is off some components of the device are live. In order to disconnect the power to your LED LCD TV or to completely isolate the device from voltage sources remove the mains plug from the mains socket.

- Only plug the LED LCD TV into an earthed socket with 220-240 V~ 50 Hz. Contact your electricity provider if you are not sure if the socket is earthed or not.
- The socket must be near the LED LCD TV and easily accessible.
- In order to disconnect the power to your LED LCD TV or to completely isolate the device from voltage sources remove the mains plug from the mains socket. Always grab the plug firmly when unplugging it from the socket. Never pull on the lead.
- For extra safety, we recommend using an over-voltage protection device to prevent your LED LCD TV sustaining damage as a result of power surges or lightning strikes.
- If you are using an extension cable, make sure that it complies with VDE requirements. If in doubt, contact your electrician.
- Position the cable so that nobody is able to step on it or trip over it.
- Do not place any objects on the cable to avoid damaging it.

The DVD Player

The DVD player is a first class laser product. The unit has a safety system that prevents dangerous laser rays from escaping from the unit during normal use. In order to avoid eye injuries, never manipulate or damage the security system of the device.



Notes on Conformity

This device conforms with the Australian EMC framework.



Battery Handling

Batteries can contain combustible materials. If not handled correctly batteries can leak, become very hot, ignite or even explode, which could damage your device or/and your health.

Please ensure compliance with the following advice:

- Keep batteries away from children. Contact your doctor immediately if a battery is swallowed.
- Never charge batteries (unless it is clearly indicated).
- Never discharge batteries by high power output.
- Never short-circuit the batteries.
- Never expose the batteries to excessive heat such as sunshine, fire or similar.
- Never take apart or deform the batteries. Your hands or fingers could get injured or battery fluids could get into your eyes or onto your skin. If this should happen then rinse the affected areas immediately with a large amount of clean water and contact your doctor immediately.
- Avoid heavy impacts and vibrations.
- Always observe the correct polarity.
- Make sure that the plus (+) and minus (-) poles are correctly inserted in order to avoid short circuits.
- Never mix new and old batteries or different types of batteries. This could cause your device to malfunction. In addition, the weaker batteries would discharge too much.
- Remove used batteries from the device.
- Remove the batteries from the device if you do not intend to use it for a long period of time.
- Replace all the old batteries in a device with new batteries of the same type.
- Isolate the contacts of the batteries with sticky tape if you want to store or dispose of them.
- Clean the contacts on the battery and device before inserting.

What is in the Box?

Unpacking

- Select a suitable place for setting up the device.
- Open the box very carefully to avoid damaging the device. (The device could be damaged if you use a knife with a long blade to open the box.)
- The box contains a number of small items (including batteries). Keep these items out of reach of children; the parts are easy to swallow.
- Store the packaging material in a safe place; only use this box to transport the TV.

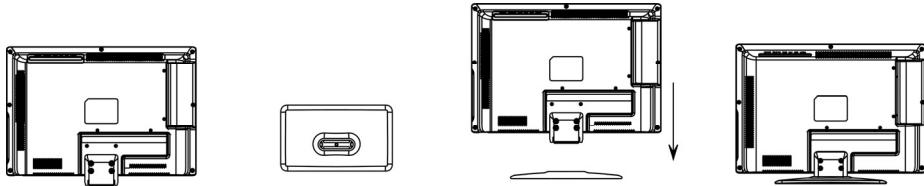


CAUTION!

Do not let children play with the plastic film. There is a risk of suffocation!

Installation

Attach the base stand as shown in the drawing. Carry out this step before connecting the LED LCD TV.



Check Package Contents

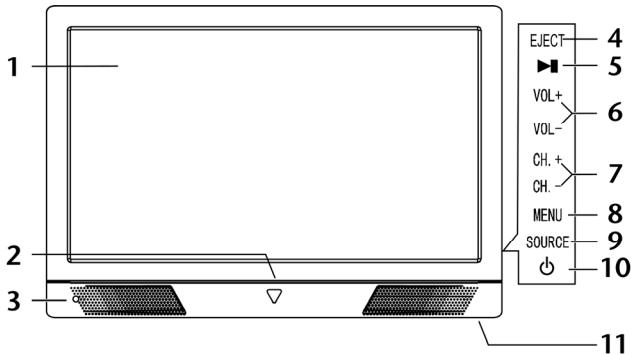
Please check your purchase to ensure all items are included and contact us within 7 days of purchase if any of the following components are missing:

- 1 x 58 cm(23") LED LCD-TV with Inbuilt DVD Player
- 1 x Base Stand
- 1 x Remote Control incl. Batteries 2 x R03 / AAA / 1.5V
- 1 x Component (YPbPr) Adapter
- 1 x Instruction Manual
- 1 x Warranty Certificate
- 2 x Warranty Sticker

Device Overview

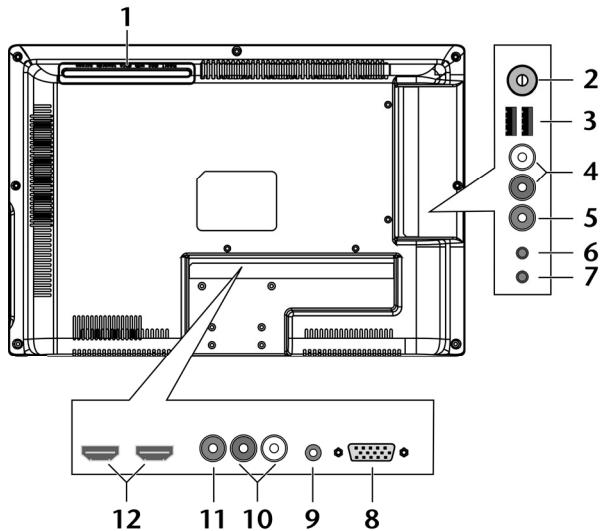
LED LCD TV

Front and Right-Hand Side View



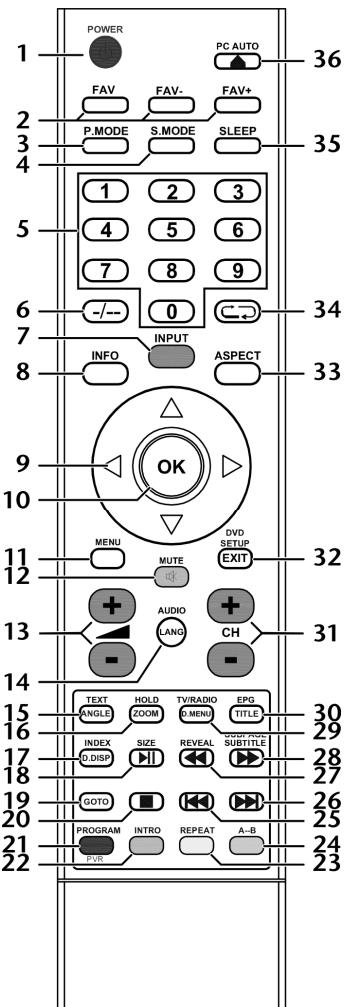
1. LED LCD Display
2. LED LCD TV Mode indicator: orange when the device is in standby mode; blue when the device is switched on.
3. Infrared sensor: reception field for the infrared TV signals.
4. **EJECT** Eject the disk
5. **▶||** Disk: Start or pause replay
6. **VOL +/VOL -** Adjust the volume or navigate in the menu
7. **CH + /CH -** Channel up/down or navigate in the menu
8. **MENU** Call up on-screen menu to change settings on your device
9. **SOURCE** Change input source
10. **POWER** Standby switch, switch on the device or switch to standby mode
11. **POWER** Mains switch

Rear View / Connectivity



1. **DVD Player**
2. **ANT.** Connection using an antenna (analogue or DVB-T)
3. **USB** USB ports for MP3 and JPEG playback / PVR function
4. **AUDIO IN L/R** Audio inputs (red/white) for **AV1**
5. **AV1** Video input 1 (yellow)
6. **YPbPr IN** 3.5 mm jack component input for the connection of devices with a component output (use the YPbPr adapter)
7. Connectivity for headphones with 3.5mm jack
8. **VGA** VGA connection: to connect a PC or Notebook
9. **VGA AUDIO** Audio input for PC or Notebook
10. **AUDIO IN L/R** Audio inputs (red/white) for **AV2**
11. **AV2** Video input 2 (yellow)
12. **HDMI 1-2** HDMI connection: to connect a device with HDMI out

Remote Control



1		POWER, i.e. switch off the LED LCD TV temporarily
2	FAV FAV- FAV+	Open favourites list Previous favourites station Next favourites station
3	P.MODE	Choose picture mode
4	S.MODE	Choose sound mode
5	Numeric buttons	TV: Channel selection
6	-/-	Without function
7	INPUT	Select input signal of connected devices
8	INFO	Display information, such as current channel number and picture format
9	Direction buttons    	
10	OK	Confirm selection in specific menus. Also used as ENTER
11	MENU	Open and close menu
12		Mute
13		Increase (+) or reduce (-) volume.
14	AUDIO LANG	TV: Set sound standard in TV DVD: Language selection in DVD playback
15	TEXT ANGLE	DVD: Select camera position (angle) in DVD playback
16	HOLD ZOOM	DVD: Zoom function for DVD player
17	INDEX D.DISPLAY	DVD: Displays information on DVD currently inserted, e.g. section, playback time elapsed, etc.
18	SIZE 	DVD: Play button - Start playback / Pause button: Pause playback
19	GOTO	DVD: Select a section on a DVD
20		DVD: STOP button, end playback / recording
21	PROGRAM Red button PVR	DVD: Program playback list of DVD player Call up the Starting function, if a USB medium is connected.
22	INTRO Green button	DVD: Introduction function

23	REPEAT Yellow button	DVD: Setting the playback mode
24	A-B Blue button	DVD: Setting the AB repeat
25	◀	DVD: Previous title/previous section
26	▶	DVD: Next title/next section
27	REVEAL ◀	DVD: Fast rewind
28	SUBPAGE SUBTITLE ▶	DVD: Subtitle function for DVD player DVD: Fast forward
29	TV/RADIO D.MENU	DVB-T: Switch between TV and radio stations DVD: Open and close DVD menu
30	EPG TITLE	DVB-T: Digital TV guide for television and radio programmes (depends on transmitter) DVD: Display main DVD menu
31	CH+/-	Channel up/down navigating
32	EXIT DVD SETUP	Exit menu DVD: Open menu
33	ASPECT	Change picture format
34	◀▶	Set previous TV programme
35	SLEEP	Sleep timer
36	▲ PC AUTO	DVD: Eject button Automatic adjustment in VGA mode

Getting Started



Before starting up please make sure that you read the "Safety instructions" section on page 5ff.

Inserting the Batteries into the Remote Control

- ▶ Open the battery compartment cover on the back of the remote control.
- ▶ Insert two R03 (AAA) 1.5-V batteries in the battery compartment of the remote control. Check the battery polarity (inscribed on the bottom of the battery compartment).
- ▶ Replace the cover.

Note

Remove the batteries if the device will not be used for long periods. The remote control can be damaged by leaking batteries.

Connect TV Antenna

- ▶ To connect to the house antenna or cable system, connect a double-screened cable from the antenna socket to the LED LCD TV.

DVB-T Mode (Digital TV)

If your location offers DVB-T, you can receive this by using the corresponding aerial. An additional receiver to receive DVB-T programmes is not required.

Connecting the DVB-T Antenna

- ▶ Insert the plug of a DVB-T aerial in the aerial socket of the device.

Connecting Power Supply

- ▶ Plug the mains plug into a readily accessible 220-240 V ~ 50 Hz mains socket.

Switching the TV On and Off

- ▶ Switch the power button to "I" to activate the power supply. The device switches to standby mode and the display on the front will light up orange.
- ▶ To switch on the device, press either the **POWER** button  on the remote control or on the device. The indicator on the front will light up blue.

- ▶ Press the **POWER** button  to switch the device over to standby mode again. The unit continues to consume power in this mode.
- ▶ Press the mains switch at the back of the unit to switch it off completely.

First Time Usage

After switching on the device for the first time, you will be guided through the initial installation process: **First Time Installation**. This can be called up any time via the menu **SETUP > First Time Installation** and can be carried out again. See also page 36.



- ▶ Use the direction buttons to select the language and then press **OK**.



- ▶ Use the direction buttons to select the country. The country setting will affect the sequence in which the channels will be stored. Press **OK**. The search starts.



Searching occurs in the order of the various programme types. Wait for it to finish. You can use the **MENU** button to cancel the search prematurely.

Note

Remember to connect a DVB-T antenna if you are searching for digital programmes.

Channel Selection

- To select a TV channel, either press the buttons **CH+/-** (on the device or on the remote control) or select the channel directly by pressing the appropriate numbers. Enter the numbers directly in sequence for a two-digit or three-digit number.
- Press the **CD** button to select the last channel played.

Volume Setting

- ▶ You can increase or decrease the volume by pressing the volume buttons **VOL +/-** on the remote control or on the device.
- ▶ Use the mute button  to switch the volume fully off and on again.
- ▶ Use the **AUDIO** button to select mono or stereo playback, sound I and sound II. Sound I and sound II can only be heard when the current TV channel supports dual mode (e.g. for bilingual programmes).
- ▶ Use the **S.MODE** button to switch between the following sound modes: **Standard**, **Music**, **Movie**, **Sports**, **Personal**. The **Personal** setting is defined under the menu option **SOUND > Sound Mode**.

Picture Setting

- ▶ Use the **P.MODE** button to switch between the following picture modes: **Standard**, **Dynamic**, **Mild**, **Personal**. The **Personal** setting is defined under the menu option **PICTURE > Picture Mode**.
- ▶ Depending on the programme, the pictures are displayed in the formats 4:3 or 16:9. Use the **ASPECT** button to adjust the picture format:

Auto: The format displayed is automatically adjusted to match the input signal.

4:3: For undistorted screen display in 4:3 format.



16:9: A 16:9 picture ("letterbox") is zoomed to the full screen size.



Zoom1: For undistorted screen display in 14:9 format.



Zoom2: A picture in 14:9 format ("letterbox") is stretched at the top and bottom margins of the screen.



You can also change these settings in **SETUP > Aspect Ratio**.

Note:

Please note that not all picture formats will be available depending on the image source setting.

Displaying Information

- ▶ Press the **INFO** button to display the following current settings:
 - Channel position
- ▶ You can get the same information when you switch over to a different channel

Favourites List

You can enter a list of your favourite channels under the menu options **CHANNEL > Programme Edit** (see page 30).

- ▶ Press **FAV** to display your list of favourite channels.
- ▶ Use the direction buttons **▲ ▼** or the buttons **FAV - / FAV +** to select a channel.

Input Source Selection

- ▶ Use **INPUT** to call up the source selection list. The following sources are available:

ATV	TV mode (analogue antennae signal)
DTV	TV mode (digital antennae signal)
Media	Playback of media via USB
AV1	Device on AV 1 input
AV2	Device on AV 2 input
PC	Device on PC input
Component	Device on the video and audio input components
DVD	Inbuilt DVD Player
HDMI1	Device on HDMI 1 input
HDMI2	Device on HDMI 2 input

- ▶ Use the direction arrows **▼▲** to go to the desired source.
- ▶ Confirm your selection with **OK**.

DVD Mode

The inbuilt DVD player is managed via DVD Mode.

Changing from TV Mode to DVD Mode

- ▶ Call up the selection list of the sources with the **AV/INPUT** button.
- ▶ Go to **DVD** with the **▼ ▲** direction buttons.
- ▶ Confirm your selection with the **OK** button.
- ▶ Repeat this process and select the **ATV** or **DTV** option, according to the aerial signal received, instead of **DVD**, if you wish to return the **TV Mode**.

Inserting a DVD

Information

The integrated DVD player only supports media with a diameter of 12 cm. Do not insert any media with a smaller or a larger diameter in the DVD slot, to avoid damage.

Information

The DVD must be aligned with the printed side towards the back (back of the LED LCD TV).

Information

The LED LCD TV must be set to the **DVD Mode**, so that you can insert a DVD into the **DVD slot**.

- ▶ Place the DVD into the **DVD slot** with the printed side towards the back. The DVD will be recognised and drawn in automatically if the LED LCD TV is set to the **DVD Mode**. The **READ** message will appear on the screen. The replay will normally be started automatically.

Information

It can be necessary to start replay manually in some cases. Press the **▶||** button to do this.

Operation through the LED Button Panel

The following functions will be available through the operating buttons on the LED LED LCD TV:

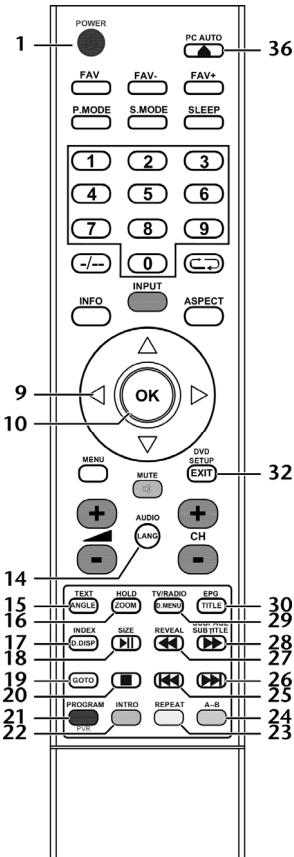
EJECT Eject button Eject the DVD from the slot

▶|| PLAY/PAUSE button; start or pause the replay

You will have to use the remote supplied with the device to enter additional functions or commands.

Operation through the Remote Control

The following functions of the DVD player are available to you through the remote:



1		POWER, i.e. switch off the LED LCD TV temporarily
9	Direction buttons ▼ ▲ ◀ ▶	
10	OK	Confirm selection in specific menus. Also used as ENTER
14	LANG	DVD: Language selection in DVD playback
15	ANGLE	DVD: Select camera position (angle) in DVD playback
16	ZOOM	DVD: Zoom function for DVD player
17	D.DISPLAY	DVD: Displays information on DVD currently inserted, e.g. section, playback time elapsed, etc.
18		DVD: Play button - Start playback / Pause button: Pause playback
19	GOTO	DVD: Select a section on a DVD
20		DVD: STOP button, end playback / recording
21	PROGRAM	DVD: Program playback list of DVD player
22	INTRO	DVD: Introduction function
23	REPEAT	DVD: Setting the playback mode
24	A-B	DVD: Setting the AB repeat
25		DVD: Previous title/previous section
26		DVD: Next title/next section
27		DVD: Fast rewind
28	SUBTITLE	DVD: Subtitle function for DVD player
		DVD: Fast forward
29	D.MENU	DVD: Open and close DVD menu
30	TITLE	DVD: Display main DVD menu
32	DVD SETUP	DVD: Open menu
36		DVD: Eject button

Information

Some buttons can have different functions or might not react according to the content and format of the respective disk.

DVD Menu System

You will call up the DVD menu system with the **DVD SETUP** button.

SYSTEM SETUP Menu

Menu Point	Setting
TV SYSTEM	Setting of the TV system. Possible settings: NTSC (e.g. for the USA), PAL (Germany and other European countries), AUTO
TV TYPE	Setting of the picture format. Possible settings: 4:3 PS, 4:3 LB, 16:9
PASSWORD	Entry of a password for child protection. Child protection is locked in the status at delivery. You will unlock it with the password 0000 . You will be able to establish a new password as soon as you have unlocked the child protection.
RATING	<p>You will set the release class for DVDs here. Some DVDs and CDs are coded with encoding signals of the release classes established by the Motion Picture Association. The eight release classes are:</p> <p>1 KID SAFE: Even suitable for small children; 2 G: (General) for all age groups; 3 PG: (Parental Guidance) parental supervision recommended; 4 PG13: Parental supervision most strictly recommended: some scenes not suitable for young people under 13; 5 PG-R: (Parental Guidance Restriction) Parental supervision recommended for young people under 17; 6 R: (Restriction) parental supervision most strictly recommended for young people under 17; 7 NC-17: Not for young people under 17 years old; 8 ADULT: Only for adults.</p> <p>The password must have been entered in advance, to change the child protection. See the previous Menu Point.</p>
RESUME	Set here whether the DVD replay should be started from the point that it had stopped or from the start after a change of source.
DEFAULT	Set all the settings back to the status at delivery here. All the previous settings will be deleted.
EXIT SETUP	You will leave the DVD Menu system with this.

LANGUAGE SETUP Menu

Menu Point	Setting
OSD LANGUAGE	Select the language of the OSD menu. It will be changed immediately.
AUDIO LANG	You will set the language of the DVD through this, if it has a choice of several languages.
SUBTITLE LANG	You will switch on the sub-titles of the DVD through this, if it has them.
MENU LANG	You will set the menu language of the DVD through this, if it has several menu languages.
EXIT SETUP	You will leave the DVD Menu system with this.

AUDIO SETUP Menu

Menu Point	Setting
TONE	You can set the speed of the replay of the DVD through this.
EXIT SETUP	You will leave the DVD Menu system with this.

DIGITAL SETUP Menu

Menu Point	Setting
DYNAMIC RANGE	Adjustment of the different sound levels of a DVD.
DUAL MONO	Select between 4 different audio outputs here.
EXIT SETUP	You will leave the DVD Menu system with this.

Media Mode

The LED LCD TV comes with 2 USB ports (rear) that can be accessed via Media mode.

Media Mode and USB Connectivity

- ▶ Plug in your external USB device (USB stick, external hard disk drive) into the USB port of the TV. Drive numbers (C:\, D:\, E:\ etc) will be allocated depending on the partitions of the USB device (e.g. an external hard disk drive might have several partitions). For the definition of how drive numbers are assigned, please see "Drive Assignment Definition" below. (Please note that external USB memory devices of a capacity of up to 1 TB are supported. However, not all brands and drivers of external USB memory devices might be compatible with this LED LCD TV!).
- ▶ You can select the drive for your recording session.
- ▶ Please note that the external USB device needs to be formatted first before the recording can be done. To do this, under DTV mode, in the OSD, go to SETUP page then select "**PVR File System**".
- ▶ Select disk drive by pressing "**OK**".
- ▶ At the next screen you will have option to select USB device if there is more then one and to select drive with directional pad on the remote control (C:\, D:\ etc)
- ▶ Press "ok" to format.
- ▶ You can select to format the USB device into FAT32 file system or High Speed FS system by using directional pad on the remote control:
 - FAT32 is suitable for USB thumb drive (USB memory sticks) that will format the entire USB drive completely. (Attention: All data currently on the USB memory stick will be lost. Please save your data on your external USB memory stick prior to using it as a recording device!)
 - High Speed FS is suitable for external USB hard disk drives that will allow choosing how large a new partition allocated for recording will be.
 - While recording, on your external USB device a new folder will be created labelled "MSTPVR".
- ▶ The OSD will show the file format and size selected, how many minutes of the TV program can be recorded in either SD quality or HD quality from the source media.
- ▶ After selecting the system type and size, press OK again will start the formatting.
- ▶ After the USB device has been formatted, it can be used for recording under DTV mode.
- ▶ The default recording drives will always be C:\, unless different drive is selected using method from 2-7. (Please also refer to the part "PVR Function and Drive Assignment" of this manual).
- ▶ The recording function can be achieved in 2 ways:
 - Press the record button (PVR = Red Colour Button) directly while watching DTV programs.
 - Through EPG scheduling function.

Recording via record button (PVR or red button)

While watching DTV programs, press the PVR button (red button) on the remote control.

A symbol for recording will be shown in the upper left-hand corner of your screen.

Make sure that the allocated capacity for the recording is sufficient to complete the recording of the program you want to save. (The capacity is determined by how large the formatted PVR file folder is allocated, or how large the USB thumb drive can support.)

Recording via EPG Scheduling

- ▶ In DTV mode, press EPG button to call out the EPG interface.
- ▶ Select the program that you wish to record via the date and time inside the EPG, and then press the Red button (record).
- ▶ The interface will show the start time and end time of the recording.
- ▶ Select the recording mode. The options are:
 - AUTO Mode: The time will be fixed according to the selected program. Only the selected program will be recorded from start time to end time.
 - ONCE Mode: Allows setting the timer. Date and time of the recording can be set manually. The recording will be done only once.
 - EVERY DAY Mode: Allows setting the timer yourself. Date and time of the recording can be set manually. The recording will be repeated every day accordingly during the set time frame.
 - WEEKLY Mode: Allows setting the time. Date and time of the recording can be set manually. The recording will be repeated once every week on the day and time that has been set manually.
- ▶ Press OK after the setting to save the scheduling time
- ▶ Please note that recording schedule via the EPG interface will only work when the TV is not switched off (has to be on or in standby mode).
- ▶ The recording schedule will continue to work in the background in Standby mode. The TV will switch from Standby mode to operational mode (ON) to start the programmed EPG scheduled recording session.

After the recording has been completed the TV will stay in operational mode (ON). If you want the TV to switch back to Standby mode after the recording has been completed (switching back from ON to Standby) please use the "Auto Standby" function in the TIME OSD menu to set the "Auto Standby" time (starting from 3 hours). Using the "Auto Standby" function will ensure that the TV will switch back from operational mode (ON) to Standby mode according to the set time.

Please ensure that the time set via the "Auto Standby" timer is longer than the time set for the recording session to allow that your program has been fully recorded.

- ▶ The scheduled recording can be checked via the EPG interface any time. For this, please press the Yellow button (schedule button) on the remote control.

Time Shift function

- ▶ During any recording, you can press the "Play" button to start watching the program that is being recorded. The recording itself will continue in the background while you can watch the recorded program from the start.
- ▶ While watching/playing the recording program this way, you can use all the media functions (fast forward, fast backward and pause etc) for the playback.
- ▶ Press the STOP button to stop the watching session and return to the recording interface.

PVR Function and Drive Assignment

- ▶ The default drive letter for all PVR recording is C:
- ▶ Recording can be performed as long as drive C: is formatted.
- ▶ Under the **Media** mode, C: will be assigned to the first USB device connected to the TV; no matter whether this one is connected to USB port 1 or USB port 2; e.g. when first USB device to be connected will be connected to USB port 2, then the drive letter C: will be assigned to the device connected to USB port 2; when another external USB device is now connected to USB port 1, for this device the following drive numbers after USB 1 (D; E: and so on depending on the partitions allocated on the external USB device) will be assigned.
- ▶ Once the TV is switched off, then turned on again, or is in Standby mode and turned on again, when Media mode is selected again, the drive letters will be reassigned: The external USB memory device connected to USB port 1 will be assigned C: (following with D; E: etc. and so on depending on partitions found) although the C: drive might have been assigned to an external USB memory device first connected to USB 2.

Note

Please note: It is recommended to go into the SETUP menu and check to which drive the drive letter C: has been assigned to after the TV has been switched off or was set in Standby mode in order to verify to which external USB memory device the drive letter C: would be assigned (in case there are 2 USB memory devices connected).

Switching between TV Mode and Media Mode

- ▶ Use **AV/INPUT** to call up the source selection list.
- ▶ Use the direction buttons ▼ ▲ to go to **Media**.
- ▶ Confirm your selection by pressing **OK**.
- ▶ Repeat this process to return to TV mode but, instead of selecting **Media**, choose the **ATV** or **DTV** option, depending on the aerial signal.

Media Menu System

As soon as you have connected an external USB device to the TV and have switched the source to **Media**, you can choose between the following four media to be played back:

- **PHOTO** - To play back photo files
- **MUSIC** - To play back music files
- **MOVIE** - To play back movie files
- **TEXT** - To display texts (*.txt)

Depending on the selected option you will have various available functions. These will be shown in the lower part of the screen.

Basic OSD Menu Settings

You can customise certain functions of the OSD (On-Screen Display) menu.

Navigating within the Menu

- ▶ Press the **MENU** button to activate the OSD.
The available options are displayed on the lower edge of the screen.
- ▶ You can use the direction keys **◀▶** to select the options from the main menu.
- ▶ Use **OK** or **▼** to switch over to the menu entries.
- ▶ You can use the direction keys **▼▲** to select the options from any of the menus.
Press **MENU** to return to the main menu.
- ▶ Use the direction button **▶** to access a sub-menu (not every menu has a sub-menu option).
Press **MENU** to return to the next-higher menu.
- ▶ Use the direction buttons **◀▶** to enter a desired value or make another selection.
- ▶ Press **MENU** to close the menu and also confirm your selection.

Please remember that the menu will close automatically after a couple of seconds if you don't press a button.

You can select the following main menus:

- Menu **CHANNEL**
- Menu **PICTURE**
- Menu **SOUND**
- Menu **TIME**
- Menu **LOCK**
- Menu **SETUP**

Note

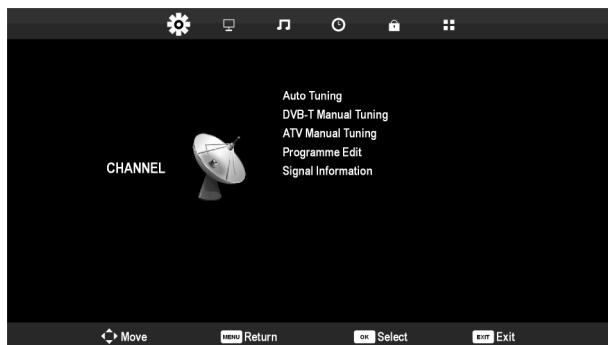
Technical changes to the device means the menus described here may differ from the menus actually displayed on the screen.

Note

Not all menus will be available, depending on the source you have selected. Switch to a different source to access all available menus.

Menu System

CHANNEL Menu



Menu item	Setting												
Auto Tuning	Perform the search here.												
DVB-T Manual Tuning	You can program individual channels in DTV mode manually here.												
ATV Manual Tuning	<p>You can program individual channels in ATV mode manually here.</p> <table border="1"> <tr> <td>Current CH</td><td>Use this to select the channel you would like to address.</td></tr> <tr> <td>Colour System</td><td>PAL, SECAM, Auto. For Australia, the colour system is set to PAL.</td></tr> <tr> <td>Sound System</td><td>BG, DK, L, I. For Australia, the sound system is set to BG.</td></tr> <tr> <td>Fine-Tune</td><td>Press ◀ ▶ to carry out the fine adjustment.</td></tr> <tr> <td>AFC</td><td>Set the automatic fine adjustment to On if this is your continuous choice.</td></tr> <tr> <td>Search</td><td>Start the channel search with ◀ ▶</td></tr> </table>	Current CH	Use this to select the channel you would like to address.	Colour System	PAL, SECAM, Auto. For Australia, the colour system is set to PAL.	Sound System	BG, DK, L, I. For Australia, the sound system is set to BG.	Fine-Tune	Press ◀ ▶ to carry out the fine adjustment.	AFC	Set the automatic fine adjustment to On if this is your continuous choice.	Search	Start the channel search with ◀ ▶
Current CH	Use this to select the channel you would like to address.												
Colour System	PAL, SECAM, Auto. For Australia, the colour system is set to PAL.												
Sound System	BG, DK, L, I. For Australia, the sound system is set to BG.												
Fine-Tune	Press ◀ ▶ to carry out the fine adjustment.												
AFC	Set the automatic fine adjustment to On if this is your continuous choice.												
Search	Start the channel search with ◀ ▶												
Programme Edit	<p>You will see the currently saved channel here. Each channel can be customised as follows:</p> <table border="1"> <tr> <td>Delete</td> </tr> <tr> <td>Select the programme you would like to delete and press the red button [PROGRAM].</td></tr> <tr> <td>Press the Yes ▲ key if you are sure that you wish to reset the transmitter. Press the No ▼ key if you wish to stop the process.</td></tr> </table>	Delete	Select the programme you would like to delete and press the red button [PROGRAM] .	Press the Yes ▲ key if you are sure that you wish to reset the transmitter. Press the No ▼ key if you wish to stop the process.									
Delete													
Select the programme you would like to delete and press the red button [PROGRAM] .													
Press the Yes ▲ key if you are sure that you wish to reset the transmitter. Press the No ▼ key if you wish to stop the process.													

	<p>Rename Select the transmitter that you wish to rename and press the green [INTRO] key. Now, you will be able to change the first letter; you will be able to scroll up and down through the letters with the ▲ ▼ direction keys. Move to the next drive letter with ▶ direction key, etc. Press the green [INTRO] key again at the end to save the name.</p> <p>Move Select the programme and press the yellow button [REPEAT]. Move the channel with ▲ ▼ to the desired position and press the yellow button [REPEAT] again. The other channels will be rearranged accordingly.</p> <p>Skip Select the channel you would like to skip while scrolling through the channels using the buttons CH+/- and then press the blue button [A-B]. You can still select this channel by using the number buttons.</p> <p>Fav To save a station to a favourites list, highlight it and press the button FAV. Call up the favourites list by using the remote control buttons. See also p. 19.</p>
Signal Information	The signal information of the set station is displayed here. This option is only available in the DTV mode.

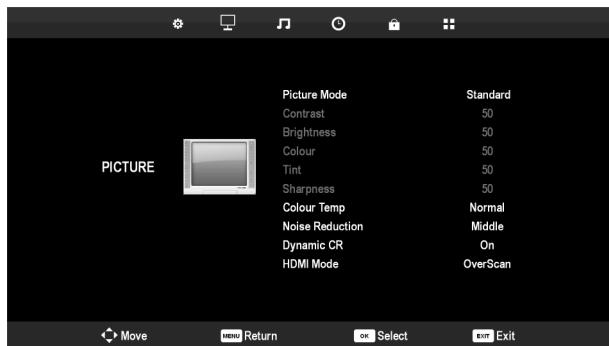
Tuning the Video Recorder (VCR) Manually

You can use **ATV Manual Tuning**, for example, to tune a video recorder (VCR) to the LED LCD TV.

Connect the TV and the video recorder via the antenna cable (see the instructions for connecting the video recorder, page 28) and set the video recorder to the test signal.

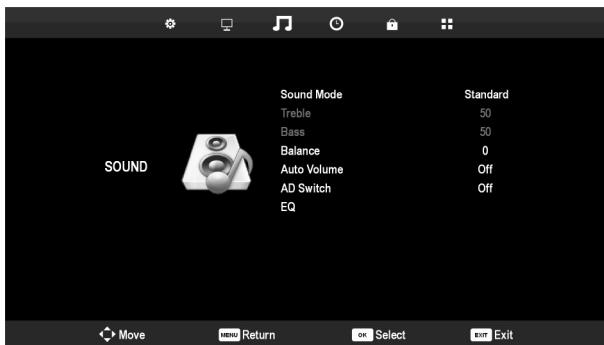
Perform a manual channel search with the LED LCD TV.

PICTURE Menu



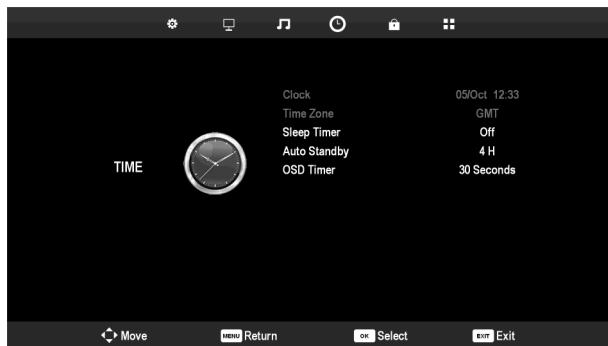
Menu Item	Setting
Picture Mode	Select picture mode: Standard , Soft , Personal , Dynamic . This function corresponds to the P.MODE button. The Personal setting lets you set the Contrast , Brightness , Colour , Tint and Sharpness yourself. The other parameters are defined.
Contrast	Increase or decrease contrast (on a scale of 0 – 100).
Brightness	Increase or decrease brightness (on a scale of 0 – 100).
Colour	Increase or decrease colour (on a scale of 0 – 100).
Tint	Hue settings only available for NTSC reception.
Sharpness	Increase or decrease sharpness (on a scale of 0 – 10).
Colour Temp	Select colour temperature: Cold , Normal and Warm .
Noise Reduction	This function reduces picture noise and improves image quality when the signal is weak. Choose between Off , Low , Middle , High and Default .
Dynamic CR	Switch the dynamic contrast on or off.
HDMI Mode	Precise representation in pixels (1:1 setting) or enlarged representation according to the connected HDMI source (OverScan setting). This setting is only available in the HDMI Mode .

SOUND Menu



Menu Item	Setting
Sound Mode	Select audio mode: Standard , Music , Movie , Sports , Personal . This function corresponds to the S.MODE button. The Personal setting lets you set the Treble , Bass and Balance yourself. The other parameters are defined.
Treble	Increase or decrease treble (on a scale of 0 – 100).
Bass	Increase or decrease bass (on a scale of 0 – 100).
Balance	Set the balance between the left and right speakers.
Auto Volume	The function AVL (Automatic Volume Limiting) compensates for the various volumes of the different channels. If you set to Off , you will hear the original volumes. If you set to On , you will hear a balanced volume.
AD Switch	Activate narrator mode. Available only in DTV mode. Support depends on the network provider.
EQ	Set the equaliser and optimise the sound to your individual taste.

TIME Menu



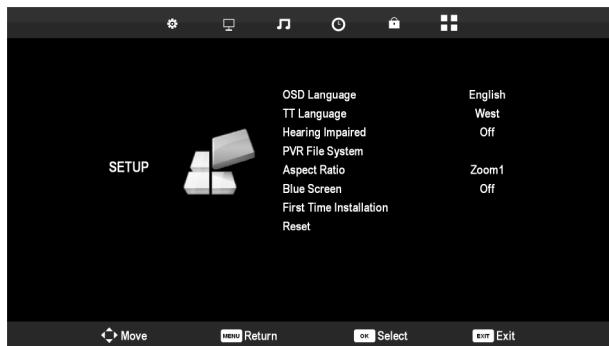
Menu Item	Setting
Clock	Time display. No setting possible.
Time Zone	This lets you set the time zone. This option is only available in DTV mode.
Sleep Timer	Select a time after which the device should switch itself off automatically. Select Off to end the function.
Auto Standby	Set the time by which the LED LCD TV will switch itself off automatically here.
OSD Timer	Here you can set the time after which the OSD menu will close automatically.

LOCK Menu



Menu Item	Setting						
Lock System	This is used to unlock the settings Block Program , Parental Guidance and Key Lock . To do so, enter the password. Delivery state: 0000.						
Set Password	An input field for entering the passwords will appear.						
	<table border="1"> <tr> <td>Please enter old password</td> <td>Use the number buttons to enter the existing password. Delivery state: 0000.</td> </tr> <tr> <td>Please enter new password</td> <td>Enter a new four-digit password.</td> </tr> <tr> <td>Confirm new password</td> <td>Enter the new password again. The appropriate message will appear.</td> </tr> </table>	Please enter old password	Use the number buttons to enter the existing password. Delivery state: 0000.	Please enter new password	Enter a new four-digit password.	Confirm new password	Enter the new password again. The appropriate message will appear.
Please enter old password	Use the number buttons to enter the existing password. Delivery state: 0000.						
Please enter new password	Enter a new four-digit password.						
Confirm new password	Enter the new password again. The appropriate message will appear.						
	<p>Information</p> <p>Note the new password. It will not be set back at the recreation of the factory settings.</p> <p>Use 7948, the master password, if you have forgotten your password.</p>						
Block Program	Specify here which stations should be blocked.						
Parental Guidance	Here you can select the age.						
Key Lock	This is used to switch the button lock on and off for the controls on the LED LCD TV. The LED LCD TV can then only be operated by using the remote control.						

SETUP Menu



Menu Item	Setting
OSD Language	Select the language of the OSD menu or of the TT language. It will change immediately.
TT Language	The default setting is West . If you are in a different language area, you can change the language setting.
Hearing Impaired	If the station transmits special audio signals for the hearing impaired, you can set the setting to On to receive these signals. This option is only available in DTV mode.
PVR File System	You will be able to record on a USB storage medium through the USB connection with your LED LCD TV. The USB storage medium will have to be formatted before you can start the recording. Carry out the formatting by means of this Menu point. You will start the recording directly by means of the red [PROGRAM] button or through the EPG Menu. Also read the section from Page 37 for this.
Aspect Ratio	Set the picture format here. This function corresponds to the button ASPECT .
Blue Screen	If the LED LCD TV is not receiving a signal, the screen will turn blue instead of displaying the "snow" or a black background.
First Time Installation	Here you can access the menu for the initial installation. The settings are described from page 17 onwards.
Reset	Restore the factory settings here. This allows you to reset the device or the memory.

EPG - PROGRAMME GUIDE

Open the Electronic Programme Guide with the **EPG** button. This function will only be available to you in the in the **DTV Mode**.

You will see the current and the next station in the Table.

- ▶ Select a programme with **▲ ▼**.
- ▶ Go to the programme guide of the programme selected with **▶**
- ▶ Scroll through the stations with **▲ ▼**.

Pay attention to the fact that:

The programme information displayed is created by the transmitting organisations. It will not be an error in your LED LCD TV if no programme information is shown.

The following Table shows the options for the **PROGRAMME GUIDE**:

Button	Entry	Function
Red Button [PROGRAM]	Record	<p>Set the start and end of the recording on the external storage medium here.</p> <p>You will be able to make the following settings under Mode:</p> <p>Auto = The time will be entered automatically, according to the programme selected</p> <p>Once = Manual entry of the recording. The recording will only be made once at the pre-set time.</p> <p>Every Day = Manual entry of the recording. The recording will be started daily at the pre-set time.</p> <p>Weekly = Manual entry of the recording. The recording will be started weekly at the pre-set time.</p> <p>Only press the button once to leave the Recording Menu.</p>
Green Button [INTRO]	Display	Shows a detailed description of the marked programme (if available). Press the button again to fade out the description.

Yellow Button [REPEAT]	Schedule	Shows the list of the programmes that have been programmed by the Memory function. See the next point for the programming of a memory. You can delete a programme from the timetable with the red [PROGRAM] button.
Blue button [A-B]	Remind	Puts the selected programme into the timetable. The device will switch to the programme set automatically as soon as the time programmed is reached. . It will not be possible to store the current programme in the memory.
▲ ▼ ◀ ▶	Move View	Move within the Programme Guide with the direction buttons.
▶▶	Next Day	The programme of the next day will be called up.
◀◀	Previous Day	The programme of the previous day will be called up. This is only possible on the current day. The past programme will not be shown.
OK	OK	Confirm your selection or the setting.

Connecting External Devices

Connecting Headphones

The headphones are connected via headphone socket.

Caution!

Using headphones at high volume generates excessive acoustic pressure and can result in permanent hearing damage. Before pressing play, set the volume to the lowest setting. Start playback and increase the volume to a comfortable level. Changes to the basic equaliser settings can increase the volume and thus damage your hearing permanently.



Using headphones to listen to a device at high volumes for an extended period can damage your hearing.

Connecting an External DVD Player

There are a number of options for connecting a DVD player.

1. Stereo Cinch Cable and a Video Cinch Cable

- ▶ Connect a video cinch cable (yellow jack) to the video input on the LED LCD TV and the video output on the external device.
- ▶ Connect a stereo cinch cable (red and white jack) to the audio input on the LED LCD TV and the video outputs on the external device.

2. Component Video Cable (3 x Cinch)

- ▶ If the DVD player has YUV outputs (Y Pb Pr), we recommend connecting the player to the YPbPr inputs on the LED LCD TV using a component cable (cinch cable green/blue/red)

Important!

Use the YUV adapter supplied with the device exclusively.

- ▶ Connect a stereo cinch cable (red and white jacks) to the AUDIO L – R inputs to transmit audio.

3. HDMI Cable

- ▶ If your device has a HDMI output, connect a HDMI cable (not supplied) to the HDMI input of the LED LCD TV and to the HDMI output of the external device.

Connecting a Video Recorder (VCR)

- ▶ Connect an antenna cable between the antenna socket on the LED LCD TV and the output on the video recorder.
- ▶ Connect an additional antenna cable between the antenna input on the video recorder and the antenna socket in the wall.

Connecting a DVD Recorder

- ▶ Connect an antenna cable to the antenna socket on the LED LCD TV and the antenna output on the DVD recorder.
- ▶ Connect an additional antenna cable between the antenna input on the DVD recorder and the antenna socket in the wall.

Alternative

- ▶ If the DVD recorder has YUV outputs (Y Pb Pr), we recommend connecting the recorder to the YPbPr component inputs on the LED LCD TV via a component cable (cinch cable green/red/blue).

Important!

Use the YUV adapter supplied with the device exclusively.

- ▶ Connect a stereo cinch cable (red and white jacks) to the AUDIO L – R inputs for sound transmission.

Alternative

- ▶ If the DVD recorder has a HDMI output, connect a HDMI cable (not included) between the HDMI input on the LED LCD TV and the HDMI output on the external device.

Connecting a Set Top Box (SAT, DVB-T, Decoder, Etc.)

There are different options for connecting a receiver (e.g. SAT receiver, DVB-T receiver, decoder, set-top box) to your LED LCD TV.

1. Stereo Cinch Cable and a Video Cinch Cable

- ▶ Connect a video cinch cable (yellow jack) between the video input on the LED LCD TV and the video output on the external device.
- ▶ Connect a stereo-cinch cable (red and white jacks) between the audio inputs on the LED LCD TV and the audio outputs on the external device.

2. Component Video Cable (3 x Cinch)

- ▶ If the device has YUV outputs (YPbPr), we recommend connecting the device to the Y-Pb-Pr component inputs on the LED LCD TV via a component cable (cinch cable green/red/blue).

Important!

Use the YUV adapter supplied with the device exclusively.

- ▶ Connect a stereo cinch cable (red and white plugs) to the AUDIO L – R inputs for sound transmission.

3. HDMI Cable

- ▶ If the external device has a HDMI output, connect a HDMI cable (not included) between the HDMI input on the LED LCD TV and the HDMI output on the external device.

Connecting a Camcorder

With a Stereo Cinch Cable and a Video Cinch Cable

- ▶ To play back images and sound on your LED LCD TV connect the camcorder to the AUDIO-IN sockets and VIDEO-IN sockets on the LED LCD TV.

Device with HDMI or DVI Output

HDMI ("High Definition Multimedia Interface") in consumer electronics is the only interface that transmits audio and video data simultaneously. It handles all image and sound formats currently in use, including HDTV (High Definition TV), which means it can also display resolutions of 1080i without any loss in quality.

Many consumer electronic devices, e.g. DVD players, are now equipped with HDMI outputs.

Connecting an External Device with HDMI Output

- ▶ Switch both devices off.
- ▶ Connect a HDMI cable (monitor cable; not supplied) to the HDMI input of the LED LCD TV and to the HDMI output of the external device.
- ▶ Switch the LED LCD TV on when the HDMI device is connected.
- ▶ Switch on the external HDMI playback device.

Connecting an External Device with DVI Output

If the external device has a DVI output then you can also connect it to the HDMI input (HDMI is downwards compatible to DVI – "Digital Visual Interface"). For this you will need a HDMI-DVI adapter. The DVI output does not transmit sound so you will have to connect an audio cable in addition.

Connect a stereo cinch cable with 3.5-mm jacks to the VGA AUDIO-IN socket to transmit sound.

Connecting a PC or Notebook

The LED LCD TV is connected to your PC or Notebook like a monitor or additional monitor. The picture on your notebook or PC is then transmitted to the LED LCD TV.

Connect the LED LCD TV to the PC as follows:

- ▶ Switch both devices off.
- ▶ Connect a VGA cable (monitor cable; not supplied) to the VGA input of the LED LCD TV and to the graphic card output of the PC or Notebook.
- ▶ Tighten up the screws of the monitor cable with your fingers, so that the plug is correctly seated in the socket.
- ▶ If you want to transmit a sound signal, connect an audio cable from the PC AUDIO-IN socket and PC/notebook Audio output
- ▶ First switch on the LED LCD TV.
- ▶ Then switch on the PC/notebook.

If you use the LED LCD TV as a second monitor for your PC you might have to change the display properties of your operating system. To do this please read the operating instructions of your PC/notebook to find out the operational requirements if more than one monitor is used.

Troubleshooting

Malfunctions can sometimes have quite trivial causes, but on other occasions they are the result of defective components. We would like to give you a few options for rectifying your problem. If these tips don't do the trick, then we'll be more than pleased to help you out. Just give us a call! You'll find the phone numbers on the back inside cover, under the warranty conditions.

Fault	Solution
There is no picture and no sound.	<ul style="list-style-type: none"> Check if the power cable is inserted properly into the socket and connected properly to the device. Check if the signal receiver is set to TV. Check to ensure the switch on the power cable is on.
There is no picture. There is no AV picture.	<ul style="list-style-type: none"> Check to ensure the contrast and brightness settings are correct. Check if all external devices have been connected properly. Check to ensure you have selected the correct AV source.
There is no sound.	<ul style="list-style-type: none"> Ensure that the volume has not been set to the minimum level. Ensure the mute setting is not active.
There is no picture and no sound. I can hear noise, though.	<ul style="list-style-type: none"> The reception might be poor. Check if the antenna is connected properly.
The picture is not clear.	<ul style="list-style-type: none"> The reception might be poor. Check if the antenna is connected properly.
The picture is too bright or too dark.	<ul style="list-style-type: none"> Check the settings for contrast and brightness.
The picture is not sharp.	<ul style="list-style-type: none"> The reception might be poor. Check if the antenna is connected properly. Check the settings for sharpness and noise reduction in the PICTURE menu.
There is a double/triple picture.	<ul style="list-style-type: none"> Check if the antenna is aligned properly. Waves might be reflected off buildings or mountains.
The picture is pixellated.	<ul style="list-style-type: none"> There might be interference from cars, trains, power lines, neon lights, etc. There might be interference between the antenna and power cables. Position the cables further apart.

Fault	Solution
There are stripes on the display or the colours are faded.	<ul style="list-style-type: none"> Is there interference from another device? Transmission antennae on radio stations, ham radios and portable phones can also cause interference. Operate the device as far as possible from the device that might be causing the interference.
The buttons on the device are not working properly.	<ul style="list-style-type: none"> The child lock might be on.
The remote control does not work.	<ul style="list-style-type: none"> Check if the batteries are fully charged and have been inserted in the right direction. Ensure the sensor field is not exposed to strong light. Switch off the device at the power cable and then on again.
Disk	
The disk will not play, although ▶ (PLAY) is being pressed, or stops again at once.	<ul style="list-style-type: none"> Has the disk been inserted with the written side to the front? Check whether the disk is damaged by inserting another disk. Wipe the disk carefully from the centre to the edge with a soft, dry cloth, if it is dirty. DVD: Does the DVD have the correct regional code (2)? Condensation has formed; give the device one to two hours to dry out.

Do You Need More Help?

If the suggestions in the previous section did not rectify your problem please contact us. The following information would help us:

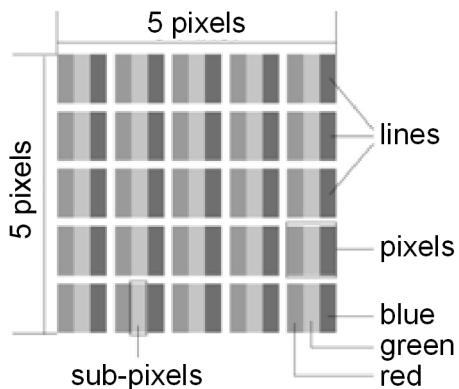
- What external devices are connected?
- What messages appear on the screen?
- When operating the device, at which step did the problem occur?
- If you have a PC connected to the device:
 - How is your computer configured?
 - What software were you using when the problem occurred?
- What steps have you already taken to try and rectify the problem?
- Please provide your customer number if you have one.

LED LCD TV Pixel Faults

Despite the most modern production methods, the highly complex technology involved in producing this type of device means there may be individual or multiple pixel drop-outs (dead pixels). This is rare, however.

For active matrix TFTs with a resolution of **1920 x 1080 pixels**, which are each made up of three sub-pixels (red, green, blue), there are a total of **approx. 6.2 million** control elements in use.

Occasionally one or more pixels can fail or become incorrectly controlled because of this very high number of transistors and the associated extremely complex manufacturing processes used.



Description		Accepted number
Bright sub-pixel	1 sub-pixel	≤ 2
	Two adjacent (horizontal/vertical)	≤ 1
	3 adjacent (horizontal/vertical)	0
Separation	Minimum distance between bright and dark sub-pixels	≥ 15 mm
Dark sub-pixel	Single	≤ 5
	2 adjacent	≤ 2
	3	≤ 1
Separation	Minimum distance between bright and dark sub-pixels	≥ 15 mm
Total number of bright and dark sub-pixels		≤ 5

The table describes the maximum number of pixel failures allowed on the screen, without a warranty claim arising.

A warranty claim can be made in some cases if the above number of defects in a category is exceeded.

Cleaning

You can increase the lifespan of your device as follows:

Caution!

Always unplug the unit and disconnect all cables before cleaning.

- To protect the TV from scratches, protective film has been applied to the high-gloss finish. Remove the films after you have set up the TV set correctly.
- If the high-gloss finish becomes dirty, wipe off the dust first. Then wipe down gently with a cleaning cloth. If you do not wipe off the dust first, or if you apply too much pressure when wiping down the high-gloss finish, you could scratch the high-gloss finish.
- Do not use solvents, corrosive or aerosol detergent to clean.
- Clean the screen with a soft, lint-free cloth.
- Ensure that no water droplets remain on the LED LCD TV. Water droplets may result in permanent discolouration.
- Do not place the screen in strong sunlight or near ultraviolet light.
- Store the packaging material in a safe place; only use this box to transport the LED LCD TV.

Caution!

None of the parts inside the housing require cleaning or maintenance.

Disposal

Packaging



Your device has been packaged to protect it from sustaining damage in transit. The packaging is made of environmentally-friendly material which can be recycled.

Device



At the end of its service life, the device should not be disposed of with the household rubbish. Please enquire about the options for environmentally-friendly disposal.

Batteries



Do not dispose of used batteries in the household rubbish! They should be taken to a collection point for used batteries.

Technical Specifications

Model number:	P14063 (MD 21067)	
Nominal voltage	220-240 V ~ 50/60 Hz	
Screen size:	58 cm (23") LED LCD, 16:9 Display	
Power consumption:	max. 48 Watt	
Power consumption on standby:	< 1 W	
Physical resolution:	1920 x 1080	
TV system:	PAL, SECAM, B/G, D/K, K', I/I, L/L'	
Channels:	VHF (channels I/III) UHF (BAND U) HYPERBAND CABLE TV (S1-S20) / (S21-S41) DVB-T (free-to-air)	
Audio:	Stereo/Nicam	
Program Storage Sorting:	199 (ATV) / 400 (DTV)	
Antenna input:	75 Ohm	
Connections:	General 2 x USB Interface 1 x Antenna Socket Video 2 x HDMI (with HDCP Decoding) 1 x PC/VGA In 2 x AV In 1 x YPbPr In (3.5 mm Jack) Audio 1 x PC/VGA Audio In (3.5 mm Jack) 1 x Stereo Audio In for AV1/YUV (Cinch) 1 x Stereo Audio In for AV2 (Cinch) 1 x Headphone Out (3.5 mm Jack)	
Drives	USB, disk	
Media supported	CD HDCD DVD video DVD-/+R DVD-/+RW CD-R/RW Audio CD	
Formats supported	Photo (max. 200 files) JPG, PNG Music (max. 200 files) MP3, WMA Video (max. 200 files) MPEG 1/2/4 MKV MPEG4 comp. Xvid compatible Text (max. 200 files) TXT	

Laser performance of the DVD player Laser Class 1



Pay attention to the imprint, if you use audio CDs.

Please pay attention to the following:

There are many, partly non-standardized CD recording processes and copy protection processes, and different CD-R and CD-RW blanks today. Input errors or delays can arise in individual cases because of this. This is not a defect in the device.

Permissible ambient temperature +5° C - +35° C

Permissible relative air moisture 20% - 85%

Dimensions (W x H x D, with stand): Approx. 574 x 408 x 160 mm

Dimensions (W x H x D, without stand): Approx. 574 x 383 x 57 mm

Weight (without/with stand): Approx. 5.4 kg / 5.7 kg

Remote Control

Transmission type: Infrared

LED classification: 1

Battery type: 2 x 1.5V AAA R03/LR03



Please note:

If, as a result of an unforeseeable combination of operating steps, faulty data transfer or electrostatic discharge the LED LCD TV can no longer be operated, always unplug the power cable from the mains and then reconnect and switch on the device.

